

**In the Claims:**

Please add new claims 17-28 as follows:

17. (New) An immunomodulatory and *anti-Helicobacter-specific* vaccine complex comprising:

- (a) ribosomal ribonucleic acid extracted from bacteria selected from the group consisting of: *Helicobacter pylori*, *Helicobacter hepaticus*, *Helicobacter coronari*, or a mixture thereof.
- (b) amino acid sequences from type III collagen,
- (c) bacterial membrane fractions containing glycopeptides and/or lipopolysaccharides.

18. (New) The immunomodulatory and vaccine complex according to claim 17 wherein the amino acid sequences from collagen comprise amino acids selected from the group consisting of aspartic acid, hydroxyproline, threonine, serine, glutamic acid, proline, glycine, alanine, valine, methionine, isoleucine, leucine, tyrosine, phenylalanine, lysine, histidine, arginine, and mixtures thereof.

19. (New) The immunomodulatory and vaccine complex according to claim 17 for use in the treatment of diseases caused by *Helicobacter* bacteria, by the production of antibodies and the production of endogenous interferon.

20. (New) The immunomodulatory and vaccine complex according to claim 18 for use in the treatment of diseases caused by *Helicobacter* bacteria, by the production of antibodies and the production of endogenous interferon.

21. (New) The immunomodulatory and vaccine complex according to claim 17, for use as an anti-idiotypic vaccine against the idiotype of anti-*Helicobacter sp.* antibodies which make it possible to avoid recidivations of the initial digestive tract pathology caused by *Helicobacter sp.*

22. (New) The immunomodulatory and vaccine complex according to claim 18, for use as an anti-idiotypic vaccine against the idiotype of anti-*Helicobacter sp.*

antibodies which make it possible to avoid recidivations of the initial digestive tract pathology caused by *Helicobacter sp.*

5h  
F3  
23. (New) The immunomodulatory and vaccine complex according to claim 17, for use against antibiotic-resistant *Helicobacter* bacteria resisting to conventional treatments.

24. (New) The immunomodulatory and vaccine complex according to claim 18, for use against antibiotic-resistant *Helicobacter* bacteria resisting to conventional treatments.

SUB  
I  
E2  
25. (New) The immunomodulatory and vaccine complex according to claim 17 wherein the said complex is formulated in such a way that it enables simultaneous administration of the said complex together with substances selected from the group consisting of corticosteroids, antibiotics, antisecretory agents such as proton pump inhibitors, products with bacteriostatic effect, products with bactericidal effect.

26. (New) The immunomodulatory and vaccine complex according to claim 18 wherein the said complex is formulated in such a way that it enables simultaneous administration of the said complex together with substances selected from the group consisting of corticosteroids, antibiotics, antisecretory agents such as proton pump inhibitors, products with bacteriostatic effect, products with bactericidal effect.

27. (New) The immunomodulatory and vaccine complex according to claim 25 wherein the said complex is formulated in such a way that it enables administration of the said complex by a route selected from intravenous route, subcutaneous route, transdermal route and per os.

28. (New) The immunomodulatory and vaccine complex according to claim 26 wherein the said complex is formulated in such a way that it enables administration of the said complex by a route selected from intravenous route, subcutaneous route, transdermal route and per os.

---